## **PCT**

## REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving	Office use only
PCT/EP 2 International Application No.	2005 / 0 0 1 1 2 8
0 4 FEP 2005 International Filing Date	$(U4 \ 02 \ 2005)$
EUROPEAN PAT PCT INTERNATION	TENT OFFICE

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference (if desired) (12 characters maximum) 030106 AC

	(if desired) (12 characte	ers maximum) 030106 AC		
Box No. I TITLE OF INVENTION  "Method for determining the instant at which a national storage phase to the regeneration phase and for		<del></del>		
}	n is also inventor			
Name and address: (Family name followed by given name; for a legal entity, full official designation.  The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  Telephone No.  06181 / 59 - 2984				
Umicore AG & Co. KG Rodenbacher Chaussee 4		Facsimile No. 06181 / 59 - 4661		
		Teleprinter No.		
D-63457 Hanau-Wolfgang  DE		Applicant's registration No. with the Office		
State (that is, country) of nationality:  DE	State (that is, country) DE	of residence:		
This person is applicant all designated for the purposes of:  all designated States all designated the United St		the United States the States indicated in the Supplemental Box		
Box No. III FURTHER APPLICANT(S) AND/OR (FURTH	IER) INVENTOR(S)	,		
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  VOTSMEIER, Martin  Fechenheimer Weg 75  D-63477 Maintal  DE  This person is:  applicant only  Applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No, with the Office				
State (that is, country) of nationality:  DE  State (that is, country) of residence:  DE				
for the purposes of:	States except ates of America	the United States the States indicated in the Supplemental Box		
Further applicants and/or (further) inventors are indicated or	n a continuation sheet.			
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE				
The person identified below is hereby/has been appointed to act or of the applicant(s) before the competent International Authorities a	n behalf as:	agent common representative		
Name and address: (Family name followed by given name; for a legal entity  The address must include postal code and name of co		Telephone No. 06181 / 59 -2984		
HERRMANN, Reinhard		Facsimile No.		
Umicore AG & Co. KG		06181 / 59- 4661		
Patente Postfach 13 51		Teleprinter No.		
D-63403 Hanau				
Germany		Agent's registration No. with the Office : EPO/AV No. 47261		
Address for correspondence: Mark this check-box where r space above is used instead to indicate a special address to w	no agent or common repr which correspondence sh	esentative is/has been appointed and the ould be sent.		

Continuation of Box No. 111 FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)  If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	e address indicated in this se is indicated below.)		
THEIS, Juliane Kardinal-Döpfner-Strasse 11 D-63791 Karlstein	applicant and inventor inventor only (If this check is marked, do not fill in be	k-box low.)	
DE	Applicant's registration No. with the	he Office	
State (that is, country) of nationality:  DE	State (that is, country) of residence:  DE		
This person is applicant all designated all designated States all designated States all designated States	States except the United States the States in the States in the Supplementary of America only		
Name and address: (Family name followed by given name; for a legal entity, The address must include postal code and name of country. The country of the a Box is the applicant's State (that is, country) of residence if no State of residence.	e address indicated in this		
GOEBEL, Ulrich Rathausstrasse 14 D-65795 Hattersheim	inventor only (If this check is marked, do not fill in be		
DE	Applicant's registration No, with the	ne Office	
	State (that is, country) of residence: DE		
This person is applicant all designated States all designated States all designated States	States except the United States the States in the States in the Supplen		
Name and address: (Family name followed by given name: for a legal entity, The address must include postal code and name of country. The country of the a Box is the applicant's State (that is, country) of residence if no State of residence if the applicant's State (that is, country) of residence if no State of residence if the applicant's State (that is, country) of residence if no State of residence if the applicant's State (that is, country) of residence if no State of residence if no Stat	e address indicated in this	low.)	
State (that is, country) of nationality:  DE	State (that is, country) of residence: DE		
This person is applicant all designated States all designated States all designated States	States except the United States the States in the Supplementary of America only the Supplementary		
Name and address: (Family name followed by given name; for a legal entity, The address must include postal code and name of country. The country of the a Box is the applicant's State (that is, country) of residence if no State of residence is	address indicated in this		
KREUZER, Thomas Philipp-Reis-Str. 13 D-61184 Karben DÉ	inventor only (If this check is marked, do not fill in bel	ow.)	
·	State (that is, country) of residence: DE		
This person is applicant all designated all designated So	States except the United States T the States in	<del></del>	
for the purposes of: States the United State	tes of America		
for the purposes of:  States  the United State  Further applicants and/or (further) inventors are indicated on a  Form PCT/RO/101 (continuation sheet) (January 2004)			

Supplemental Box If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II" and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No, VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

	Box No. V DESIGNATIONS  The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.				
	However,				
	DE Germany is not d	lesignated for any kind of natio	nal protection		
	KR Republic of Kore	a is not designated for any kin	d of national protection		
	RU Russian Federation	on is not designated for any kir	nd of national protection		
	(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States.)  Box No. VI PRIORITY CLAIM  The priority of the following earlier application(s) is hereby claimed:				
	Filing date	Number of earlier application	<del></del>	Where earlier application	is:
	of earlier application (day/month/year)	or carrier approach.	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
[-]	item (1) <b>1 7</b> FEB 2004 (17.02.2004)	102004007523.9[19]	DE		
ROLEP	item (2)				
	item (3)				
	Further priority claims	are indicated in the Supplemen	ital Box.	<u></u>	
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:				
		tem (1)			ee Supplemental Box
	* Where the earlier application one N	ion is an ARIPO application, inc dember of the World Trade Org	dicate at least one country ganization for which that e	party to the Paris Converarier application was fil	ntion for the Protection of led (Rule 4.10(b)(ii)):
	D N. UD INTEDNA	TIONAL SEARCHING AUTI	IIADIPV		
				To analysis of the social and an area	
į	Choice of International Searching Authority (1SA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):  ISA / EPO				
	•	arlier search; reference to the	at search (if an earlier se	earch has been carried ou	t by or requested from the
	International Searching Authority):  Date (day/month/year)  Number  Country (or regional Office)				
	Box No. VIII DECLARA	TIONS			
			/III (i) to (v) (mark the av		Number of
				declarations	
	Box No. VIII (i)	Declaration as to the identity	of the inventor		: 1
	Box No. VIII (ii)	Declaration as to the applicadate, to apply for and be gra		international filing	: 1
	Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :				:
	Box No. VIII (iv)	Declaration of inventorship United States of America)	(only for the purposes of	the designation of the	:
	Box No. VIII (v)	Declaration as to non-prejud	dicial disclosures or excer	ptions to lack of novelty	:

De	Declaration as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)):	
In	In relation to this international application	
Tł	VOTSMEIER, Martin THEIS, Juliane GÖBEL, Ulrich	
G	GIESHOFF, Jürgen KREUZER, Thomas	
	are the inventors of the subject matter for which protection is soughthis international application.	ght by way of
		•

Sheet No
Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT  The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general, and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.
Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii and 51 bis. 1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:
In relation to this international application:
VOTSMEIER, Martin THEIS, Juliane GÖBEL, Ulrich GIESHOFF, Jürgen KREUZER, Thomas
are the inventors of the subject matter for which protection is sought by way of this international application.
Umicore AG & Co. KG is entitled to apply for a patent as their employer.

This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".

Sheet No. ......

Box No. IX CHECK LIST; LANGUAC	E OF FILING			
This international application contains:  (a) in paper form, the following number of sheets:	This international application is accompanied by the followitem(s) (mark the applicable check-boxes below and indicate right column the number of each item):			
request (including	1. 🔀 fee calculation sheet	: 1		
declaration sheets) :	7 2.  original separate power of attorney	:		
description (excluding sequence listing and/or	3. 🛛 original general power of attorney	: 4		
tables related thereto) : 1	4. Copy of general power of attorney; reference number			
claims :	3 if any:	:		
abstract :	5. Statement explaining lack of signature	:		
drawings : Sub-total number of sheets : 3	6. priority document(s) identified in Box No. VI as item(s): (1)	: : 1		
sequence listing :	7. Translation of international application into (language):			
tables related thereto :  (for both, actual number of	8. separate indications concerning deposited microor or other biological material	ganism :		
sheets if filed in paper form, whether or not also filed in	9. sequence listing in computer readable form (indicate type and number of carriers)			
computer readable form; see (c) below) ————————————————————————————————————	_ (i) copy submitted for the purposes of internationa	! search under		
Total number of sheets : 3  (b) only in computer readable form	Rule 13ter only (and not as part of the internation (ii) (only where check-box (b)(i) or (c)(i) is marked in additional copies including, where applicable, to purposes of international search under Rule 13ter.	left column)		
(Section 801(a)(i))	purposes of international search under Rule 137  (iii) together with relevant statement as to the identity			
(i) ☐ sequence listing (ii) ☐ tables related thereto	copies with the sequence listing mentioned in le	eft column :		
(c) also in computer readable form (Section 80 i (a)(ii))	10. Lables in computer readable form related to sequence (indicate type and number of carriers)	,		
<ul><li>(i) ☐ sequence listing</li><li>(ii) ☐ tables related thereto</li></ul>	(i) copy submitted for the purposes of international Section 802(b-quater) only (and not as part of the application)	l search under ne international		
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in additional copies including, where applicable, the purposes of international search under Section 8	he copy for the		
sequence listing:	. (iii) I together with relevant statement as to the identit			
☐ tables related thereto:	l arms	:		
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	il. other (specify):	•		
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English	1		
Box No. X SIGNATURE OF APPLICA	NT, AGENT OR COMMON REPRESENTATIVE signing and the capacity in which the person signs (if such capacity is not obvi	imis from résaling the request)		
		and the state of t		
Umicore AG & Co. KG	02			
Umicore AG & Co. KG Rodenbacher Chaussee 4				
D-63457 Hanau-Wolfgang Dr. Reinhard Herrmann				
	Senior Manager Patents			
	European Patent Attorney			
	—— For receiving Office use only			
1. Date of actual receipt of the purported international application:	0 4 FEB 2005 (0 4. 02. 05)	2. Drawings: received:		
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:				
4. Date of timely receipt of the required corrections under PCT Article 11(2):				
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid			
	For International Bureau use only			
Date of receipt of the record copy by the International Bureau:				